	( )	an 2 1 2003 8	O (Modified) sary)		Attorney Docket No.: 04860.P2657  First Named Inventor: Jerome R. Bellegard Filing Date:	09/8	JAN 3	EIVED 4 2003
Page _1	ors	The same of the sa		_	June 14, 2001		or in lotogy	Center 2600
,   Edgan	Cita	TE name	Document		T DOCUMENTS	1 K. 75		
Eyam.	Cite No. <sup>1</sup>	Number	Kind Code (If known)	Name o	of Patentee or Applicant of Cited Document	Date of Publ Cited Doc MM-DD-	rument	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
iz		6,161,130	B1		lorvitz et al.	12/12/	′2000	
iz (}		6,208,971	B1	Be	llegarda et al.	03/27/	2001	
					<u></u>			
	_							
					·			
				<del>-</del> ·				
				<del></del>	<del></del>			
					<u> </u>	<u> </u>		
						-		
				· · · <del>· ·</del> · · · · · ·				

Initial*   N	No.1	Office	Number <sup>4</sup> 1	Kind Code <sup>5</sup> (If known)	of Cited Document	Publication of Cited Document MM-DD-YYYY	Lines, Where Relevant Passages or Relevant	Т
							Figures Appear	
C8		GB	2 347 053	Α	Argo Interactive Limited	08/23/2000		$\vdash$
CS		WIPO	00/26795	A1	Justsystem Pittsburgh Research Center, Inc.	05/11/2000		
			ļ					<u> </u>

Examiner Signature	Cheel V	Date Considered	12/1/04
		<del></del>	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**BEST AVAILABLE COPY** 

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&#</sup>x27;Unique citation designation number. 'See attached Kinds of U.S. Patent Documents. 'Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

Substitute (use	for For	1 144 APTO (Modified) sheets a necessary)	Attorney Docket No.: 04860.P2657	Application Numb 09/881,986	
	MAL	2 1 2000 8	First Named Inventor: Jerome R. Bellegarda, et	-1	EIVED
Page 2	of Marie	DANGE BERN	Filing Date: June 14, 2001		Center 2500
1.			IT LITERATURE DOCUMENT		
Examiner Initials*	Cite No <sup>1</sup>	•	rial, symposium, catalog, etc.), date r, city and/or country where publi	e, page(s), volume- shed	Translation <sup>2</sup>
Cz		LI, Y.H. and JAIN, A.K. "Classification Vol. 41, No. 8 (1998), pages 537-546.	n of Text Documents." <u>The Con</u>	nputer Journal,	
cz		FOLTZ, PETER W. "Using Latent Sem Proceedings of the Conference on Office	nantic Indexing for Information ce Information Systems, (1990),	Filtering." pages 40-47.	
CZ		FOLTZ, PETER W. and DUMAIS, SUS Analysis of Information Filtering Meth 12 (December 1992), pages 51-60.	AN T. "Personalized Informations." Communications of the A	ion Delivery: An ACM, Vol. 35, No.	
S		BELLEGARDA, JEROME R.; BUTZBEI NOAH B.; AND NAIK, DEVANG. "A Latent Semantic Analysis." <u>Internation</u> <u>Processing, Conference Proceedings</u> , V	Novel Word Clustering Algori nal Conference on Acoustics, Sp ol. 1 (May 7-10, 1996), pages 17	ithm Based on beech, and Signal 72-175.	
cz		PCT International Search Report for PC November 2002 (7 pages).	CT Int'l Appln. No. PCT/US02/	/19015, mailed 26	
·					
			:		

Examiner	(1:17) -	Date Considered	12/1/04
Signature	ma V		191109

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&#</sup>x27;Unique citation designation number. 'Applicant is to place a check mark here if English language Translation is attached.

Substitut	f rF rm 1449	PTO			C mplet	if Kn wn
	INFOR	ΜΔ	TION DISCLOSUR	F	Application Number	09/881,986
100				Filing Date	June 14, 2001	
1011	€ STATI		ENT BY APPLICAN	First Named Inventor:	Jer me R. Bellegarda	
1	g)	(use a:	s many sheets as necessary)	Art Unit	2681	
JAN 12	2004 6			Examiner Name	Not Yet Assigned	
Sheet 16 of 1				Attorney Docket Number 04860.P2657		
TRADE	Aftir		U.S. PATEN	IT DOCUMENTS	S	
Examiner Initials*	Cite No.	Alum	Document Number ber-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Rel vant Passages or Relevant
_	i	INGITI	ber-rand code (ir known)			Figures Appear
3		US-	6,613,101 B2	9/2/2003	Mander et al.	
		us-				
		US-				
		US- US-	<u> </u>	-	RE	CEIVED
		US-			. , , , , ,	
	<u> </u>	US-			J	AN 1 4 2004
		US-	`			
		US:			Techn	plogy Center 2600
		US				
		US			·	
		US-				
	-	US- US-				
•	1	US-				
	<u>.                                    </u>					

		FC	DREIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (ifknown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ°
					•	

Examiner	di			Date Considered	2/1/04
Signature	1 me	,	*		,,

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the f m, call 1-800-PTO-9199 (1-800-786-9199) and select ption 2.

Please type a plus sign (+) in this box	1+	
Under the Paper of Reduction Act of	1995, no i	
0		

der the Paper of	Reduction Ac	t of 1995, n	o persons are require	ed to respond to a collection of informat	tion unless it contains a valid OMB control numb		
of 9 Bubs	ute for for	m 1449A	VPTO	C mplete if kn wn			
	(modi	fied)		Applicati n Number	09/881,986		
ENT 8 THE PER	MATION	DISCL	OSURE	Filing Date	Jun 14, 2001		
(modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Jerome R. Bellegarda		
(use as r	nany shee	ets as r	ecessary)	Group Art Unit	2681		
		ı	• • • • • • • • • • • • • • • • • • • •	Examiner Name	Not yet assigned		
Sheet	1	of	1	Attorney Docket Number	04860.P2657		

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
cz		MANDER, Richard et al., copy of specification, claims, abstract, and figures as filed April 30, 1992, assigned USAN 07/876,921, now abandoned				
18		BELLEGARDA, Jerome R., "Exploiting Latent Semantic Information in Statistical Language Modeling", Proceedings of the IEEE, 88(8)1279-1296, August 2000				
		Modeling , Proceedings of the IEEE, 66(6)12/7-1270, August 2000				
-						
		•				
		and the control of th				
			1.			
- marine of protects	. apprendig to	marks to exceed a market and the contraction of the	بهادر والجهادان الدارات الحاضوان وا			
	100					

Examiner Signature Cheer	Date Considered	12/1/04
--------------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

## This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

IMAGES ARE BEST AVAILABLE COPY.

☐ LINES OR MARKS ON ORIGINAL DOCUMENT

GRAY SCALE DOCUMENTS

OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY